

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

LEE, Myoung-tack

#109, Byucksan Digital Valley II, 481-10, Gasan-dong,
Geumcheon-gu SEOUL 153-783 Republic of Korea

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year) 26 MAY 2006 (26.05.2006)	
Applicant's or agent's file reference PCT06-018	FOR FURTHER ACTION See paragraph 2 below
International application No. PCT/KR2006/000281	International filing date (day/month/year) 25 JANUARY 2006 (25.01.2006)
Priority date(day/month/year) 29 JANUARY 2005 (29.01.2005)	
International Patent Classification (IPC) or both national classification and IPC <i>E04C 5/16(2006.01)i</i>	
Applicant ILL HO CO., LTD. et al	

1. This opinion contains indications relating to the following items:



- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.
For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Date of completion of this opinion 26 MAY 2006 (26.05.2006)	Authorized officer YOU, Jei Jun Telephone No. 82-42-481-8215 
---	--	---

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2006/000281

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of :

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing
- ☐ table(s) related to the sequence listing

b. format of material

- ☐ on paper
- ☐ in electronic form

c. time of filing/furnishing

- ☐ contained in the international application as filed.
- ☐ filed together with the international application in electronic form.
- ☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/KR2006/000281

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-17	YES
	Claims	None	NO
Inventive step (IS)	Claims	1-17	YES
	Claims	None	NO
Industrial applicability (IA)	Claims	1-17	YES
	Claims	None	NO

2. Citations and explanations :

Reference is made to the following documents:

D1: JP 59-138655

The present invention relates to a russ framework system for slabs constructed of iron-bar frameworks and construction molds. The russ framework system comprises: a framework; a mold assembly comprising securing devices (30) including a wedge-shaped sliding plate (30A) slidably engaged with mold panels; and a connecting means (40) having at its one side an engaging portion (41) connected to the framework (10), and having its other side passing through insert holes (21) of the mold assembly and connected to the securing devices (30).

D1 is considered as the closest prior art and discloses a separator having a reinforcing bar support (2) at one end thereof, and having the other end passing through a form and coupled to a metal fitting.

The connecting means (40) of the present invention is very similar to the separator of D1, but the securing device (30) of the present invention which includes a wedge-shaped sliding plate coupled to the connecting means differs from the metal fitting of D1.

Accordingly, the russ framework system of claims 1-17 was not anticipated by the prior art, nor would have been obvious to a person skilled in the art. Therefore, claims 1-17 meet the requirements of PCT Article 33(2)-(3) with respect to novelty and inventive step.

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

LEE, Myoung-taek

#109, Byucksan Digital Valley II, 481-10, Gasan-dong,
Geumcheon-gu SEOUL 153-783 Republic of Korea

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year) 26 MAY 2006 (26.05.2006)

Applicant's or agent's file reference

PCT06-018

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/KR2006/000281

International filing date (day/month/year)

25 JANUARY 2006 (25.01.2006)

Priority date(day/month/year)

29 JANUARY 2005 (29.01.2005)

International Patent Classification (IPC) or both national classification and IPC

E04C 5/16(2006.01)i

Applicant

ILL HO CO., LTD. et al

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.
For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR



Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon
302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Date of completion of this opinion

26 MAY 2006 (26.05.2006)

Authorized officer

YOU, Jei Jun

Telephone No.82-42-481-8215



**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2006/000281

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of :

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing
- ☐ table(s) related to the sequence listing

b. format of material

- ☐ on paper
- ☐ in electronic form

c. time of filing/furnishing

- ☐ contained in the international application as filed.
- ☐ filed together with the international application in electronic form.
- ☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2006/000281

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement**

1. Statement

Novelty (N)	Claims	1-17	YES
	Claims	None	NO
Inventive step (IS)	Claims	1-17	YES
	Claims	None	NO
Industrial applicability (IA)	Claims	1-17	YES
	Claims	None	NO

2. Citations and explanations :

Reference is made to the following documents:

D1: JP 59-138655

The present invention relates to a russ framework system for slabs constructed of iron-bar frameworks and construction molds. The russ framework system comprises: a framework; a mold assembly comprising securing devices (30) including a wedge-shaped sliding plate (30A) slidably engaged with mold panels; and a connecting means (40) having at its one side an engaging portion (41) connected to the framework (10), and having its other side passing through insert holes (21) of the mold assembly and connected to the securing devices (30).

D1 is considered as the closest prior art and discloses a separator having a reinforcing bar support (2) at one end thereof, and having the other end passing through a form and coupled to a metal fitting.

The connecting means (40) of the present invention is very similar to the separator of D1, but the securing device (30) of the present invention which includes a wedge-shaped sliding plate coupled to the connecting means differs from the metal fitting of D1.

Accordingly, the russ framework system of claims 1-17 was not anticipated by the prior art, nor would have been obvious to a person skilled in the art. Therefore, claims 1-17 meet the requirements of PCT Article 33(2)-(3) with respect to novelty and inventive step.